

0280

OIPE

#3

RAW SEQUENCE LISTING DATE: 02/05/2001
 PATENT APPLICATION: US/09/757,781 TIME: 14:21:07

Input Set : A:\pc0032us_seqlist.txt
 Output Set: N:\CRF3\02052001\I757781.raw

```

2 <110> APPLICANT: Reddy, Roopa
3   Tang, Y. Tom
4   Baughn, Mariah R.
5   Krasnow, Randi E.
7 <120> TITLE OF INVENTION: ASIP-RELATED PROTEINS
9 <130> FILE REFERENCE: PC-0032 US
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/757,781
C--> 12 <141> CURRENT FILING DATE: 2001-01-09
14 <160> NUMBER OF SEQ ID NOS: 63
15 <170> SOFTWARE: PERL Program
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 935
19 <212> TYPE: PRT
20 <213> ORGANISM: Homo sapiens
22 <220> FEATURE:
23 <221> NAME/KEY: misc_feature
24 <223> OTHER INFORMATION: Incyte ID No: 1555118CD1
26 <400> SEQUENCE: 1
27 Met Lys Val Thr Val Cys Phe Gly Arg Thr Gly Ile Val Val Pro
28   1           5           10          15
29 Cys Lys Glu Gly Gln Leu Arg Val Gly Glu Leu Thr Gln Gln Ala
30   20          25          30
31 Leu Gln Arg Tyr Leu Lys Thr Arg Glu Lys Gly Pro Gly Tyr Trp
32   35          40          45
33 Val Lys Ile His His Leu Glu Tyr Thr Asp Gly Gly Ile Leu Asp
34   50          55          60
35 Pro Asp Asp Val Leu Ala Asp Val Val Glu Asp Lys Asp Lys Leu
36   65          70          75
37 Ile Ala Val Phe Glu Glu Gln Glu Pro Leu His Lys Ile Glu Ser
38   80          85          90
39 Pro Ser Gly Asn Pro Ala Asp Arg Gln Ser Pro Asp Ala Phe Glu
40   95          100         105
41 Thr Glu Val Ala Ala Gln Leu Ala Ala Phe Lys Pro Ile Gly Gly
42   110         115         120
43 Glu Ile Glu Val Thr Pro Ser Ala Leu Lys Leu Gly Thr Pro Leu
44   125         130         135
45 Leu Val Arg Arg Ser Ser Asp Pro Val Pro Gly Pro Pro Ala Asp
46   140         145         150
47 Thr Gln Pro Ser Ala Ser His Pro Gly Gly Gln Ser Leu Lys Leu
48   155         160         165
49 Val Val Pro Asp Ser Thr Gln Asn Leu Glu Asp Arg Glu Val Leu
50   170         175         180
51 Asn Gly Val Gln Thr Glu Leu Leu Thr Ser Pro Arg Thr Lys Asp
52   185         190         195
53 Thr Leu Ser Asp Met Thr Arg Thr Val Glu Ile Ser Gly Glu Gly
54   200         205         210
55 Gly Pro Leu Gly Ile His Val Val Pro Phe Phe Ser Ser Leu Ser

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RAW SEQUENCE LISTING DATE: 02/05/2001
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Input Set : A:\pc0032us_seqlist.txt
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56	215	220	225
57	Gly Arg Ile Leu	Gly Leu Phe Ile Arg	Gly Ile Glu Asp Asn Ser
58	230	235	240
59	Arg Ser Lys Arg	Glu Gly Leu Phe His	Glu Asn Glu Cys Ile Val
60	245	250	255
61	Lys Ile Asn Asn	Val Asp Leu Val Asp	Lys Thr Phe Ala Gln Ala
62	260	265	270
63	Gln Asp Val Phe	Arg Gln Ala Met Lys	Ser Pro Ser Val Leu Leu
64	275	280	285
65	His Val Leu Pro	Pro Gln Asn Arg Glu	Gln Tyr Glu Lys Ser Val
66	290	295	300
67	Ile Gly Ser Leu	Asn Ile Phe Gly Asn	Asn Asp Gly Val Leu Lys
68	305	310	315
69	Thr Lys Val Pro	Pro Pro Val His Gly	Lys Ser Gly Leu Lys Thr
70	320	325	330
71	Ala Asn Leu Thr	Gly Thr Asp Ser Pro	Glu Thr Asp Ala Ser Ala
72	335	340	345
73	Ser Leu Gln Gln	Asn Lys Ser Pro Arg	Val Pro Arg Leu Gly Gly
74	350	355	360
75	Lys Pro Ser Ser	Pro Ser Leu Ser Pro	Leu Met Gly Phe Gly Ser
76	365	370	375
77	Asn Lys Asn Ala	Lys Ile Lys Ile	Asp Leu Lys Lys Gly Pro
78	380	385	390
79	Glu Gly Leu Gly	Phe Thr Val Val Thr	Arg Asp Ser Ser Ile His
80	395	400	405
81	Gly Pro Gly Pro	Ile Phe Val Lys Asn	Ile Leu Pro Lys Gly Ala
82	410	415	420
83	Ala Ile Lys Asp Gly	Arg Leu Gln Ser	Gly Asp Arg Ile Leu Glu
84	425	430	435
85	Val Asn Gly Arg Asp	Val Thr Gly Arg	Thr Gln Glu Glu Leu Val
86	440	445	450
87	Ala Met Leu Arg Ser	Thr Lys Gln Gly	Glu Thr Ala Ser Leu Val
88	455	460	465
89	Ile Ala Arg Gln	Glu Gly His Phe Leu	Pro Arg Glu Leu Lys Gly
90	470	475	480
91	Glu Pro Asp Cys	Cys Ala Leu Ser Leu	Glu Thr Ser Gln Gln Leu
92	485	490	495
93	Thr Phe Glu Ile Pro	Leu Asn Asp Ser	Gly Ser Ala Gly Leu Gly
94	500	505	510
95	Val Ser Leu Lys	Gly Asn Lys Ser Arg	Glu Thr Gly Thr Asp Leu
96	515	520	525
97	Gly Ile Phe Ile	Lys Ser Ile Ile His	Gly Ala Ala Phe Lys
98	530	535	540
99	Asp Gly Arg Leu Arg	Met Asn Asp Gln	Leu Ile Ala Val Asn Gly
100	545	550	555
101	Glu Ser Leu Leu	Gly Lys Ser Asn His	Glu Ala Met Glu Thr Leu
102	560	565	570
103	Arg Arg Pro Met	Ser Met Glu Gly Asn	Ile Arg Gly Met Ile Gln
104	575	580	585

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Input Set : A:\pc0032us_seqlist.txt
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105	Leu	Val	Ile	Leu	Arg	Arg	Pro	Glu	Arg	Pro	Met	Gln	Asp	Pro	Ala
106				590			595				600				
107	Glu	Cys	Gly	Ala	Phe	Ser	Lys	Pro	Cys	Phe	Glu	Asn	Cys	Gln	Asn
108					605			610			615				
109	Ala	Val	Thr	Thr	Ser	Arg	Arg	Asn	Asp	Asn	Ser	Ile	Leu	His	Pro
110					620			625			630				
111	Leu	Gly	Thr	Cys	Ser	Pro	Gln	Asp	Lys	Gln	Lys	Gly	Leu	Leu	Leu
112					635			640			645				
113	Pro	Asn	Asp	Gly	Trp	Ala	Glu	Ser	Glu	Val	Pro	Pro	Ser	Pro	Thr
114					650			655			660				
115	Pro	His	Ser	Ala	Leu	Gly	Leu	Gly	Leu	Glu	Asp	Tyr	Ser	His	Ser
116					665			670			675				
117	Ser	Gly	Val	Asp	Ser	Ala	Val	Tyr	Phe	Pro	Asp	Gln	His	Ile	Asn
118					680			685			690				
119	Phe	Arg	Ser	Val	Thr	Pro	Ala	Arg	Gln	Pro	Glu	Ser	Ile	Asn	Leu
120					695			700			705				
121	Lys	Ala	Ser	Lys	Ser	Met	Asp	Leu	Val	Pro	Asp	Glu	Ser	Lys	Val
122					710			715			720				
123	His	Ser	Leu	Ala	Gly	Gln	Lys	Ser	Glu	Ser	Pro	Ser	Lys	Asp	Phe
124					725			730			735				
125	Gly	Pro	Thr	Ile	Gly	Leu	Lys	Lys	Ser	Ser	Ser	Ile	Glu	Ser	Ile
126					740			745			750				
127	Gln	Thr	Ala	Val	Ala	Glu	Val	Arg	Lys	Asn	Asp	Leu	Pro	Phe	His
128					755			760			765				
129	Arg	Pro	Arg	Pro	His	Met	Val	Arg	Gly	Arg	Gly	Cys	Asn	Glu	Ser
130					770			775			780				
131	Phe	Arg	Ala	Ala	Ile	Asp	Lys	Ser	Tyr	Asp	Gly	Pro	Glu	Glu	Ile
132					785			790			795				
133	Glu	Ala	Asp	Gly	Leu	Ser	Asp	Lys	Ser	Ser	His	Ser	Gly	Gln	Gly
134					800			805			810				
135	Ala	Leu	Asn	Cys	Glu	Ser	Ala	Pro	Gln	Gly	Asn	Ser	Glu	Ile	Glu
136					815			820			825				
137	Asp	Met	Glu	Asn	Lys	Ala	Arg	Lys	Val	Lys	Lys	Thr	Lys	Glu	Lys
138					830			835			840				
139	Glu	Lys	Lys	Glu	Lys	Gly	Lys	Leu	Lys	Val	Lys	Glu	Lys	Lys	Lys
140					845			850			855				
141	Arg	Lys	Glu	Glu	Asn	Glu	Asp	Pro	Glu	Arg	Lys	Ile	Lys	Lys	Lys
142					860			865			870				
143	Gly	Phe	Gly	Ala	Met	Leu	Arg	Tyr	Gly	Pro	Ala	Leu	Lys	Ala	Lys
144					875			880			885				
145	Leu	Val	Leu	Ile	Leu	Ser	Leu	Leu	Lys	Ala	His	Ala	Phe	Pro	
146					890			895			900				
147	Arg	Leu	Gln	Pro	Asn	Ala	Tyr	Gly	Ser	Gln	Phe	Cys	Ala	Arg	Ser
148					905			910			915				
149	Leu	Ser	Ala	Glu	Ala	Glu	Leu	Phe	Gly	Glu	Ser	Tyr	Ser	Asp	
150					920			925			930				
151	Asp	Arg	Thr	Leu	Ser										
152					935										
154	<210>	SEQ ID NO:	2												

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/757,781 DATE: 02/05/2001
TIME: 14:21:07

Input Set : A:\pc0032us_seqlist.txt
Output Set: N:\CRF3\02052001\I757781.raw

155 <211> LENGTH: 1356
156 <212> TYPE: PRT
157 <213> ORGANISM: Homo sapiens
159 <220> FEATURE:
160 <221> NAME/KEY: misc_feature
161 <223> OTHER INFORMATION: Incyte ID No: 2582063CD1
163 <400> SEQUENCE: 2
164 Met Lys Val Thr Val Cys Phe Gly Arg Thr Arg Val Val Val Pro
165 1 5 10 15
166 Cys Gly Asp Gly His Met Lys Val Phe Ser Leu Ile Gln Gln Ala
167 20 25 30
168 Val Thr Arg Tyr Arg Lys Ala Ile Ala Lys Asp Pro Asn Tyr Trp
169 35 40 45
170 Ile Gln Val His Arg Leu Glu His Gly Asp Gly Gly Ile Leu Asp
171 50 55 60
172 Leu Asp Asp Ile Leu Cys Asp Val Ala Asp Asp Lys Asp Arg Leu
173 65 70 75
174 Val Ala Val Phe Asp Glu Gln Asp Pro His His Gly Gly Asp Gly
175 80 85 90
176 Thr Ser Ala Ser Ser Thr Gly Thr Gln Ser Pro Glu Ile Phe Gly
177 95 100 105
178 Ser Glu Leu Gly Thr Asn Asn Val Ser Ala Phe Gln Pro Tyr Gln
179 110 115 120
180 Ala Thr Ser Glu Ile Glu Val Thr Pro Ser Val Leu Arg Ala Asn
181 125 130 135
182 Met Pro Leu His Val Arg Arg Ser Ser Asp Pro Ala Leu Ile Gly
183 140 145 150
184 Leu Ser Thr Ser Val Ser Asp Ser Asn Phe Ser Ser Glu Glu Pro
185 155 160 165
186 Ser Arg Lys Asn Pro Thr Arg Trp Ser Thr Thr Ala Gly Phe Leu
187 170 175 180
188 Lys Gln Asn Thr Ala Gly Ser Pro Lys Thr Cys Asp Arg Lys Lys
189 185 190 195
190 Asp Glu Asn Tyr Arg Ser Leu Pro Arg Asp Thr Ser Asn Trp Ser
191 200 205 210
192 Asn Gln Phe Gln Arg Asp Asn Ala Arg Ser Ser Leu Ser Ala Ser
193 215 220 225
194 His Pro Met Val Gly Lys Trp Leu Glu Lys Gln Glu Gln Asp Glu
195 230 235 240
196 Asp Gly Thr Glu Glu Asp Asn Ser Arg Val Glu Pro Val Gly His
197 245 250 255
198 Ala Asp Thr Gly Leu Glu His Ile Pro Asn Phe Ser Leu Asp Asp
199 260 265 270
200 Met Val Lys Leu Val Glu Val Pro Asn Asp Gly Gly Pro Leu Gly
201 275 280 285
202 Ile His Val Val Pro Phe Ser Ala Arg Gly Gly Arg Thr Leu Gly
203 290 295 300
204 Leu Leu Val Lys Arg Leu Glu Lys Gly Gly Lys Ala Glu His Glu
205 305 310 315

NO - 3

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/757,781 DATE: 02/05/2001
 TIME: 14:21:07

Input Set : A:\pc0032us_seqlist.txt
 Output Set: N:\CRF3\02052001\I757781.raw

```

206 Asn Leu Phe Arg Glu Asn Asp Cys Ile Val Arg Ile Asn Asp Gly
207          320           325           330
208 Asp Leu Arg Asn Arg Arg Phe Glu Gln Ala Gln His Met Phe Arg
209          335           340           345
210 Gln Ala Met Arg Thr Pro Ile Ile Trp Phe His Val Val Pro Ala
211          350           355           360
212 Ala Asn Lys Glu Gln Tyr Glu Gln Leu Ser Gln Ser Glu Lys Asn
213          365           370           375
214 Asn Tyr Tyr Ser Ser Arg Phe Ser Pro Asp Ser Gln Tyr Ile Asp
215          380           385           390
216 Asn Arg Ser Val Asn Ser Ala Gly Leu His Thr Val Gln Arg Ala
217          395           400           405
218 Pro Arg Leu Asn His Pro Pro Glu Gln Ile Asp Ser His Ser Arg
219          410           415           420
220 Leu Pro His Ser Ala His Pro Ser Gly Lys Pro Pro Ser Ala Pro
221          425           430           435
222 Ala Ser Ala Pro Gln Asn Val Phe Ser Thr Thr Val Ser Ser Gly
223          440           445           450
224 Tyr Asn Thr Lys Lys Ile Gly Lys Arg Leu Asn Ile Gln Leu Lys
225          455           460           465
226 Lys Gly Thr Glu Gly Leu Gly Phe Ser Ile Thr Ser Arg Asp Val
227          470           475           480
228 Thr Ile Gly Gly Ser Ala Pro Ile Tyr Val Lys Asn Ile Leu Pro
229          485           490           495
230 Arg Gly Ala Ala Ile Gln Asp Gly Arg Leu Lys Ala Gly Asp Arg
231          500           505           510
232 Leu Ile Glu Val Asn Gly Val Asp Leu Val Gly Lys Ser Gln Glu
233          515           520           525
234 Glu Val Val Ser Leu Leu Arg Ser Thr Lys Met Glu Gly Thr Val
235          530           535           540
236 Ser Leu Leu Val Phe Arg Gln Glu Asp Ala Phe His Pro Arg Glu
237          545           550           555
238 Leu Asn Ala Glu Pro Ser Gln Met Gln Ile Pro Lys Glu Thr Lys
239          560           565           570
240 Ala Glu Asp Glu Asp Ile Val Leu Thr Pro Asp Gly Thr Arg Glu
241          575           580           585
242 Phe Leu Thr Phe Glu Val Pro Leu Asn Asp Ser Gly Ser Ala Gly
243          590           595           600
244 Leu Gly Val Ser Val Lys Gly Asn Arg Ser Lys Glu Asn His Ala
245          605           610           615
246 Asp Leu Gly Ile Phe Val Lys Ser Ile Ile Asn Gly Gly Ala Ala
247          620           625           630
248 Ser Lys Asp Gly Arg Leu Arg Val Asn Asp Gln Leu Ile Ala Val
249          635           640           645
250 Asn Gly Glu Ser Leu Leu Gly Lys Thr Asn Gln Asp Ala Met Glu
251          650           655           660
252 Thr Leu Arg Arg Ser Met Ser Thr Glu Gly Asn Lys Arg Gly Met
253          665           670           675
254 Ile Gln Leu Ile Val Ala Arg Arg Ile Ser Lys Cys Asn Glu Leu

```

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY DATE: 02/05/2001
PATENT APPLICATION: US/09/757,781 TIME: 14:21:08

Input Set : A:\pc0032us_seqlist.txt
Output Set: N:\CRF3\02052001\I757781.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:905 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:1021 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:1026 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:1061 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:1063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:1067 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:1115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:1305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:1307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:1308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:1383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49